

feature, viz: the kettle-shaped isolation of the subordinate synclinals, which ride upon the crests of anticlinals at their ends. In fact, the views which we have hitherto held of the general continuance and parallelism of the sub-basins receives here a rude shock. The greatest irregularity prevails in the arrangement of the mutually interlocking sub-anticlinals and sub-synclinals. At the same time it is most interesting and satisfactory to see that in this respect the dimpled structure of the broad and shallow bituminous basins is reproduced in the narrow and deep anthracite basins.

The crushing, sidewise thrusting action from the south against the Anthracite coal region is admirably illustrated by this model, which is only the first of a series, to be extended lengthwise of the Mahanoy and Shamokin field as the Geological Survey advances.

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*Stated Meeting. December 3, 1880.*

Present, 19 members.

President, Mr. FRALEY, in the Chair.

Letters of envoy were received from the Royal Observatory, Greenwich, Dec. 1880; and the Board of Commissioners of the 2d Geological Survey of Penna., Harrisburg, Nov. 25, 1880.

Donations for the Library were received from the R. Accademia dei Lincei, Rome; Zoologischer Anzeiger, Leipzig; Geographical Society, Annales des Mines, and Revue Politique, Paris; Society of Commercial Geography, Bordeaux; R. Astronomical Society, and Nature, London; American Academy of Medicine, and Editors of the International Review, New York; Academy of Natural Sciences, Medical News, Engineers' Club, Journal of Pharmacy, and Geo. Hamilton, M. D., Phila.; and the Board of Commissioners of the 2d Geological Survey of Pennsylvania.

A letter from Mrs. Haldeman, enquiring about the memoir and relics for illustration by the late Prof. Haldeman was read, and on motion it was

*Resolved*, That the Curators be authorized to deposit the cards on which these relics are arranged, in the Museum of the Academy of Natural Sciences, and to take a receipt for the same, as in the case of other curiosities belonging to this Society there deposited. •

The death of Prof. Jas. C. Watson, at Madison, Wis., Nov. 23, 1880, aged 41, was announced by the Secretary.

A communication entitled: "On the Vertebrata of the Wind River Eocene beds of Wyoming. By E. D. Cope," was read by title.

Dr. König exhibited two specimens of silver ore from near Ouray, in Colorado, of unusual interest as exhibiting the reduced native silver and also the asphalt (enclosed in calcite) by which it had been reduced.

The Treasurer's annual report was read and referred.

The Publication Committee reported verbally that they had approved the plates for Prof. Haldeman's Memoir.

The Committee on the communication x, y, z, for the Magellanic Premium reported; and on motion the following resolutions were passed:

*Resolved*, firstly, It appearing that the communication of x, y, z, for the Magellanic premium relates to mechanical devices not immediately pertaining to Navigation, Astronomy, or Physics, it is not proper that the question of merit or worthiness of the invention, discovery, or improvement set forth should be passed upon by this Society.

*Resolved*, secondly, That the Secretaries be authorized and empowered to allow the withdrawal of this communication by any person who, they may become satisfied, has the right to withdraw the same, and that the Secretaries be directed to assure such person that the Society commits itself to no opinion in any way derogatory to the invention, discovery, or improvement, but simply finds the same not to relate to the subjects prescribed by Magellan, or those upon which premiums are to be awarded.

Pending nominations Nos. 909, 920 to 925, and new nomination No. 926 was read.

The resolution offered by Dr. LeConte, at the last meeting, was then considered, and there being present the lawful number of 3 members of the Board and Council, and 13 members of the Society necessary for a change in the By-Laws, after due public notice given, was unanimously adopted.

*Resolved*, That the concluding clause of the first paragraph on page 17 of the By-Laws, *i. e.*, all after the word "premium" in the 5th line of that page, be struck out, and the words "for such purposes as may be authorized by its charter and laws" be substituted therefor.

The other three resolutions recommended to the consideration of the Society were on request again postponed to allow time for the members of the Society to become better acquainted with their tenor.

1. *Resolved*, That the members of the Society be invited to send to the Secretaries the names of notable discoverers in any branch of science, or the fine or useful arts, with the reasons for bestowal of medals for their discoveries.

2. *Resolved*, That such names and recommendations be placed for consideration in the hands of the President to report to the Society his verdict in favor of one or more of them if proper.

3. *Resolved*, That, in case no veto is placed by the Society on such verdict, there shall be a presentation of medals to the persons recommended by the President at a time and in a manner to be arranged by him.

And the meeting was adjourned.

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*Stated Meeting, Dec. 17, 1880.*

Present, 10 members.

Vice-President, Mr. PRICE, in the Chair.

Mr. J. B. Townsend accepted by letter his appointment to prepare an obituary notice of the late Henry Wharton.

A letter respecting duplicates was received from H. B. Dawson, Morrisania, N. Y.

A circular was received from the Peabody Academy of Science, at Salem, Mass.

Donations for the Library were received from the Asiatic Society of Japan; the Berlin Academy; the Verein für Förderung des Gewerbflusses, Berlin; Zoologischer Anzeiger, Leipzig; Naturhistorisches Verein, Bonn; Revue Politique, Paris; Revista Euskara, Pamplona; Nature, the Nautical Almanac Office, and Dr. C. Wm. Siemens, London; R. Dublin Society; Yale College, and the American Journal, New Haven; Franklin Institute, Commissioners of the New Public Buildings, and Mr. Henry Phillips, Jr., Philadelphia; Hon. Lane S. Hart, State Printer, Harrisburg; Johns Hopkins University, Baltimore; U. S. Geo-